



Name: Class: Mark:

1. (a) What is meant by a **communications protocol**? [1]

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(b) Name **two** protocols used in Internet communications. [2]

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(c) Many communications protocols operate on specific layers.

(i) Define what is meant by a layer in this context. [1]

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(ii) Explain the advantages of separating communications operation over different layers. [2]

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2. (a) Explain the difference between the HTTP and HTTPS protocols. [2]

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(b) Explain **one** example where the HTTPS protocol would need to be used. [2]

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[Total 10 marks]